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Automatic vending machine with accurate control of amount of goods to be vended - has DC power unit for microcontroller for diagnostic, general control and communications operations, freezer operation unit, data storage unit and coin input and output mechanism

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Patent Family:

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Priority Applications (No Type Date): KR 9221490 A 19921116

Patent Details:

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KR 9502496	B1		1			

Abstract (Basic): KR 9502496 B

The automatic vending machine allows the exact amount of goods to be vended, checks malfunction and abnormal condition, enables a remote control by the communication line, and checks the status of automatic vending machine with the visibility and audibility. The machine has a power unit for DC power a micro-controller performing all kinds of control operation like self-diagnosis, selling, and communication of an operation power controlling unit cutting off the DC power source to the internal circuit.

A freezing operation unit operates a heater and a compressor and a data storing unit stores necessary data in operating the micro-controller. A coin mechanism input and output unit displays

prices of products and a communication controlling unit transfers the net selling income and the error to the computer. An input and output controlling unit outputs the scanning signals for reading input signals. An announcing unit alarms the termination of the selling operation, and a selection display unit displays the kinds of selected products, and there is an operation control unit.

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Title Terms: AUTOMATIC; VENDING; MACHINE; ACCURACY; CONTROL; AMOUNT; GOODS; DC; POWER; UNIT; DIAGNOSE; GENERAL; CONTROL; COMMUNICATE; OPERATE; FREEZE; OPERATE; UNIT; DATA; STORAGE; UNIT; COIN; INPUT; OUTPUT; MECHANISM

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